

EXHIBIT 11
of Complaint

UNITED STATES DISTRICT COURT
DISTRICT OF ARIZONA

Daniel David Rigmaiden,
Plaintiff,

v.

(1) Federal Bureau of Investigation, (2) Executive
Office for United States Attorneys, (3) Office of
Information Policy, and (4) Department of Justice,

Defendants.

FREEDOM OF INFORMATION ACT REQUEST

RE: Portable/Transportable Wireless Device Locators Manufactured By Harris Wireless Products Group;

BY: Daniel David Rigmaiden

TO: Executive Office for United States Attorneys

October 10, 2011

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[Certified Mail Return Receipt Article #: 7009 2250 0003 8907 7508]

Daniel Rigmaiden
Agency #10966111
CCA-CADC
PO Box 6300
Florence, AZ 85132

FOIA/Privacy Staff
Executive Office for United States Attorneys
United States Department of Justice
Suite 7300, Bicentennial Building
600 E Street, N.W.
Washington, DC 20530-001

Attention:

I. REQUEST FOR INFORMATION

This letter constitutes a request under the Freedom of Information Act ("FOIA"), 5 U.S.C. § 552 *et seq.* and the Department of Justice implementing regulations, 28 C.F.R. § 16.1 *et seq.* I am seeking the following four categories of records:

1. All department records concerning the following portable/transportable wireless device locators (*i.e.*, devices used to locate cell phones, *etc.*) and related equipment manufactured and/or branded and/or sold by Harris Wireless Products Group (Harris Corporation):

- (1) StingRay
- (2) StingRay II
- (3) AmberJack
- (4) KingFish
- (5) TriggerFish
- (6) LoggerHead
- (7) Handheld Direction Finding Antenna
- (8) StingRay CDMA Software

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- (9) KingFish CDMA Software
- (10) Geolocation (software)
- (11) Tarpon (software)
- (12) RealSite (software)

* See attached various Harris product pictures, datasheets, and price lists.

1. All department records detailing United States Attorneys Office ("USAO") policies, practices, and procedures to seek court orders to destroy real-time wireless device location data obtained by the Harris portable/transportable wireless device locators and related equipment (listed in No. 1 above) or obtained by other portable/transportable wireless device locators. The requested records should pertain to Assistant United States Attorneys ("AUSA") and other attorneys applying for court orders to destroy real-time location data used to further an investigation or to facilitate an arrest.

2. All department records detailing USAO policies, practices, and procedures to have AUSAs and other attorneys seek one or more court orders authorizing use of pen registers, trap and trace devices, stored records under the Stored Communications Act, and/or mobile tracking devices—while the true intention is to use Harris portable/transportable wireless device locators and related equipment (listed in No. 1 above) or other portable/transportable wireless device locators. Responsive records should also include records detailing policies, practices, and procedures instructing AUSAs and other attorneys to specifically leave out of the order applications information regarding the Harris portable/transportable wireless device locators and related equipment (listed in No. 1 above) or information regarding other portable/transportable wireless device locators. The noted omitted information includes the names of the devices and how they operate to implicate Fourth Amendment rights such as (1) sending location finding interrogation signals into private spaces, (2) cell site emulation, (3) hijacking cellular service, (4) man-in-the-middle attacks, (5) cracking encoding and encryption for private cellular signals, (6) the need to write data to wireless devices using Over-The-Air Service Provisioning (OTASP), (7) accessing A-Keys, Shared Secret Data (SSD), and other nonpublic information within the wireless devices or in the possession of wireless carriers, (8) making surreptitious phone calls and pings to wireless devices, (9) denial-of-service attacks, (10) increasing transmission power of wireless devices, (11) emulating/cloning wireless devices, (12) forcing wireless devices to send out signals, *etc.*

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3. All department records detailing USAO policies, practices, and procedures to conceal from defendants and their attorneys in criminal cases the fact that the government used the Harris portable/transportable wireless device locators and related equipment (listed in No. 1 above), or other portable/transportable wireless device locators, to gather evidence during related criminal investigations.

Government use of the devices listed in No. 1 above is discussed in court documents filed under United States v. Daniel David Rigmaiden, CR08-814-PHX-DGC, District of Arizona. See the following documents filed under CR08-814-PHX-DGC: (1) *Response To Government's Memorandum Regarding Law Enforcement Privilege And Request For An Ex Parte And In Camera Hearing If Necessary* (Dkt. #536); (2) *Request For Judicial Notice Of Facts Relevant To The Issue Of Governmental Privileges* (Dkt. #501); (3) *First Submission Of Redacted And Summarized Documents For Requested In Camera Inspection*; (Dkt. #588); (4) *First Submission Of Consolidated Exhibits Relating To Discovery And Suppression Issues* (Dkt. #587); and (5) *Motion For Disclosure Of All Relevant And Helpful Evidence Withheld By The Government Based On A Claim Of Privilege* (Dkt. #592).

I request that the applicable records include, but not be limited to, the following:

- (1) electronically stored information
- (2) emails
- (3) email attachments
- (4) letters
- (5) correspondence
- (6) memorandums
- (7) documents
- (8) reports
- (9) statements
- (10) audits
- (11) purchase receipts
- (12) invoices
- (13) word processing documents
- (14) spreadsheets
- (15) graphics and presentation documents
- (16) images

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- (17) text files
- (18) instant messages
- (19) audio files
- (20) video files
- (21) voice mail
- (22) internet data
- (23) log files
- (24) blogs
- (25) calendar files
- (26) text messages
- (27) records of radio transmissions
- (28) data dictionary files^[1]
- (29) metadata^[2]
- (30) system metadata^[3]
- (31) substantive metadata^[4]
- (32) embedded metadata^[5]

I request that the storage devices/systems to be searched include, but not be limited to, the following:

1. Data dictionaries are repositories of metadata, or information about data, such as its meaning, relationships to other data, origin, usage and format.
2. Nat'l Day Laborer Org. Network v. United States Immigration & Customs Enforcement Agency, 2011 U.S. Dist. LEXIS 11655, 10 Civ. 3488 (SAS) (S.D.N.Y., Feb. 7, 2011) ("[M]etadata is 'readily reproducible' in the FOIA context.").
3. System metadata is data automatically generated by a computer system when a native file is created, modified, transmitted, deleted or otherwise manipulated by a user of such system. This data is not part of the native file and resides as part of the computer system with a reference to the native file.
4. Substantive metadata is data generated by the application accessing the native file such as the data reflecting the date/time the file was created or modified and data reflecting changes made to the document by the user. This data is part of the native file and is viewable from the application used to create or modify the native file.
5. Embedded metadata is text, numbers, content, data, or other information that is directly or indirectly inputted into a native file by a user and which is not typically visible to the user viewing the output display of the native file on screen or as a print-out. Examples of embedded metadata include, but are not limited to, spreadsheet formulas (which display as the results of the formula operation), hidden columns, externally or internally linked files (e.g., sound files in Powerpoint presentation), references to external files and content (e.g., hyperlinks to HTML files or URLs), references and fields (e.g., the field codes for an auto-numbered document), and certain database information if the data is part of a database (e.g., a date field in a database will display as a formatted date, but its actual value is typically a long integer).

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- (1) workstation computers
- (2) server computers
- (3) backup systems
- (4) legacy systems
- (5) databases
- (6) hard drives
- (7) tape drives
- (8) zip disks and other disks
- (9) CDs, DVDs, Blu-ray discs, *etc.*
- (10) cartridges
- (11) magneto-optical disks
- (12) calendar systems
- (13) voice mail systems
- (14) text messaging systems
- (15) intranet systems
- (16) internet systems
- (17) personal digital assistants
- (18) cell phones and other cellular devices including Blackberry devices
- (19) home computers belonging to AUSAs and other attorneys **(to the extent, if any, they are used for USAO business purposes and/or case preparation)**

While complying with this FOIA request, I ask that the following EOUSA staffs be searched for both paper and electronic records: (1) Office of the Director, (2) Counsel to the Director, (3) Attorney General Advisory Committee, (4) Legal Programs, (5) General Counsel, (6) Office of Enforcement Operations, and (7) the Computer Crime and Intellectual Property Section. In addition, I request that the United States Attorneys Offices in the following locations be searched: California, Arizona, and New York. For each state listed above, please search all United States Attorneys Offices within the state.

II. FORM OF DOCUMENTS REQUESTED

I request that all digital documents be provided in their original native form with metadata preserved. Additionally, if redactions are required, they should be done on the original digital documents using a digital redaction process (*e.g.*, using Appligent RedaxTM, RapidRedactTM, Adobe AcrobatTM X Pro, *etc.*) and provided in their native digitally redacted form. I request that the native form digital documents (*e.g.*, emails, *etc.*) that are redacted by a

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computerized redaction process be provided "as is" and that they not be printed to hard copy and then rescanned to create an artificial digital form of the documents. I make the above requests pursuant to 5 U.S.C. § 552(a)(3)(B) ("In making any record available to a person under this paragraph, an agency shall provide the record in any form or format requested by the person if the record is readily reproducible by the agency in that form or format.").

I request that all responsive records be organized in an intelligible manner and referenced or indexed so that they are capable of being read and understood by one possessing average skills, intellect, and training. If the responsive records are codified such that they cannot be readily understood, I request that I be provided with all required decoding documents necessary to provide a clear and intelligible understanding of the contents and meaning of the responsive records.

III. REQUEST FOR WAIVER OF ALL COSTS OR REDUCED COSTS

I am requesting a waiver of all costs pursuant to 5 U.S.C. 552(a)(4)(A)(iii) ("Documents shall be furnished without any charge or at a charge reduced below the fees established under clause (ii) if disclosure of the information is in the public interest because it is likely to contribute significantly to public understanding of the operations or activities of the government and is not primarily in the commercial interest of the requester."). Disclosure of the requested records will help members of the public understand the privacy risks of carrying cell phones and other wireless devices. The requested records concern the direct operations and activities of the government with respect to surreptitiously locating cell phones and other wireless devices using Harris brand portable/transportable wireless device locators and related equipment.

On September 22, 2011, The Wall Street Journal published an article titled "'Stingray' Phone Tracker Fuels Constitutional Clash"⁶ wherein the government's use of portable/transportable wireless device locators was clearly and sufficiently identified. The identifiable government actions reported in The Wall Street Journal article and in the evidence I placed on the record in CR08-814-PHX-DGC weigh in favor of granting me a fee waiver for

6. See Valentino-DeVries, Jennifer, 'Stingray' Phone Tracker Fuels Constitutional Clash, The Wall Street Journal, p. A1 (Sept. 22, 2011) available at <http://online.wsj.com/article/SB10001424053111904194604576583112723197574.html> (last accessed: September 22, 2011) ("Associate Deputy Attorney General James A. Baker and FBI General Counsel Valerie E. Caproni both said at a panel at the Brookings Institution in May that devices like these fall into a category of tools called 'pen registers,' which require a lesser order than a warrant.").

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this FOIA request. *See* 28 C.F.R. § 16.11(k)(2)(i) (To determine whether the first fee waiver requirement is met, “[t]he subject of the requested records must concern identifiable operations or activities of the federal government, with a connection that is direct and clear, not remote or attenuated.”). There is additional support for granting a fee waiver considering I have the ability and intention to effectively convey the responsive information to the public. *See* 28 C.F.R. § 16.11(k)(2)(iii) (When determining whether the requested records will contribute to an understanding of the subject by the public, “[a] requester's expertise in the subject area and ability and intention to effectively convey information to the public shall be considered.”). The information I obtain through this FOIA request will be placed on the public record in CR08-814-PHX-DGC and I will also forward the information to Jennifer Valentino-DeVries, the reporter who wrote the article about StingRay type devices for The Wall Street Journal. *See* fn. 6, *supra*. The noted Wall Street Journal article specifically reported on my efforts to prove that the government violates the Fourth Amendment when it uses portable/transportable wireless device locators to locate wireless devices within home residences without a proper warrant. Finally, the records requested are not sought for a commercial purpose⁷ and I plan to disseminate the responsive material to the public at no cost. *See* 28 C.F.R. § 16.11(k)(3)(i) and (ii) (To determine whether the fee waiver requirement is met, the disclosure should not be primarily in the commercial interest of the requester.).

IV. REQUEST FOR EXPEDITED PROCESSING

I am requesting expedited processing of this FOIA request pursuant to 5 U.S.C. 552(a)(6)(E)(i)(I) (Expedited processing is merited “in cases in which the person requesting the records demonstrates a compelling need;”). I have a compelling need for the requested records considering the subject of my request is a matter of widespread and exceptional media interest and the government's integrity is called into question when it tracks and locates wireless devices without proper judicial authority, *i.e.*, a Rule 41 warrant founded on probable cause. *See* 28 C.F.R. § 16.5(d)(1)(iv) (Expedited processing is merited when the request involves “[a] matter of widespread and exceptional media interest in which there exist possible questions about the government's integrity which affect public confidence.”). The media has repeatedly reported on warrantless government cell phone tracking prior to this FOIA request. In 2007, the media reported that “a little-known FBI telephone intercept unit has developed a powerful cellphone tracking technology that agents use to monitor the physical movements of

7. *See Judicial Watch, Inc., v. Rossotti*, 326 F.3d 1309, 1312 (D.C. Cir. 2003) (“We are also mindful that Congress amended FOIA to ensure that it is liberally construed in favor of waivers for noncommercial requesters.” (internal quotation marks and citation omitted)).

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surveillance targets, even on phones that are not GPS equipped.”^[8] In 2008, the media reported that the government can track cell phones on its own using a TriggerFish and that it “raises the risk that they will do so without bothering to go to a court for permission first, since they no longer need to compel the provider to cooperate.”^[9] In 2010, the media reported that a senior attorney in the criminal division of the Justice Department claimed that “[t]he government is not required to use a warrant” when it uses surveillance equipment to locate cell phones.^[10] In 2011, the media reported on government use of StingRay type devices and on me challenging use of those devices without proper judicial authority. *See* fn. 6, *supra*. The above quoted/cited news stories are all framed to call into question the government's integrity when it tracks and locates cell phones and other wireless devices without proper warrants founded on probable cause.

* * * * *

I expect a determination of this request for expedited processing within 10 calendar days and a determination of this request for documents within 20 calendar days. *See* 28 CFR § 16.5(d)(4); 5 U.S.C. § 552(a)(6)(A)(i). If this request is denied in whole or in part, I request that all deletions be justified by reference to specific exemptions to FOIA. I request the release of all segregable portions of otherwise exempt material. I reserve the right to appeal a decision to withhold any information, to deny a waiver of fees, or to expedited processing.

I certify as true and correct to the best of my knowledge and belief that I have a compelling need for expedited processing and that the requested records are not for commercial purposes. Thank-you for your prompt attention to this matter. Please furnish all responsive records to the address below.

8. Singel, Ryan (Wired), *FBI E-Mail Shows Rift Over Warrantless Phone Record Grabs* (Dec. 20, 2007), available at http://www.wired.com/print/politics/onlinerights/news/2007/12/fbi_cell (last accessed Sep. 22, 2010).

9. Myers, Rachel (ACLU), *With Technology Like This, Who Needs the Law? >> Blog of Rights: Official Blog of the American Civil Liberties Union*, “With Technology Like This, Who Needs The Law?” (Nov. 14, 2008), <http://www.aclu.org/2008/11/14/with-technology-like-this-who-needs-the-law> (last accessed Aug. 16, 2011).

10. McCullagh, Declan (CNET News), *Justice Dept. defends warrantless cell phone tracking* (Feb. 13, 2010), available at http://news.cnet.com/8301-13578_3-10453214-38.html (last accessed Apr. 8, 2010).

FREEDOM OF INFORMATION ACT REQUEST

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Products Group;

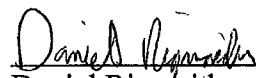
BY: Daniel David Rigmaiden

TO: Executive Office for United States Attorneys

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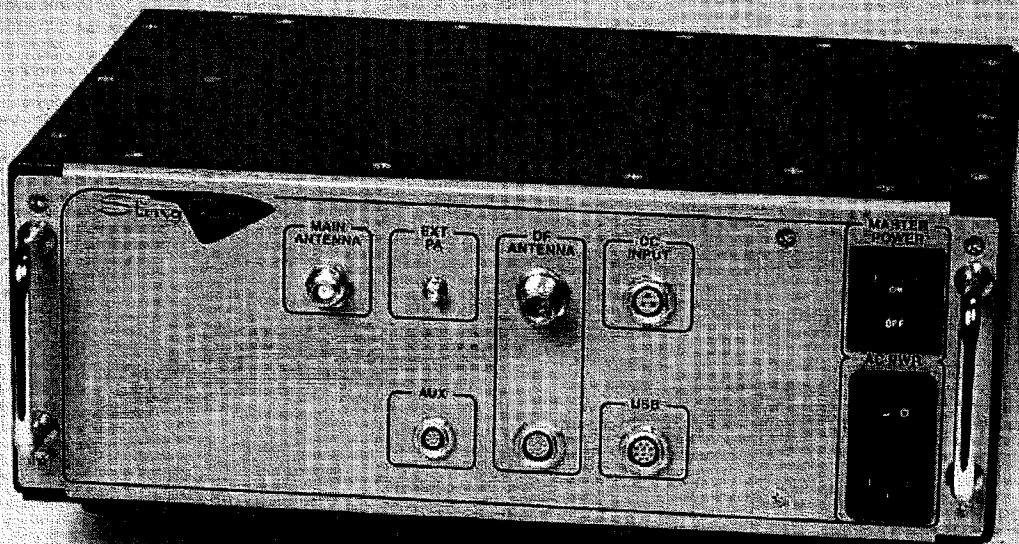
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Daniel David Rigmaiden

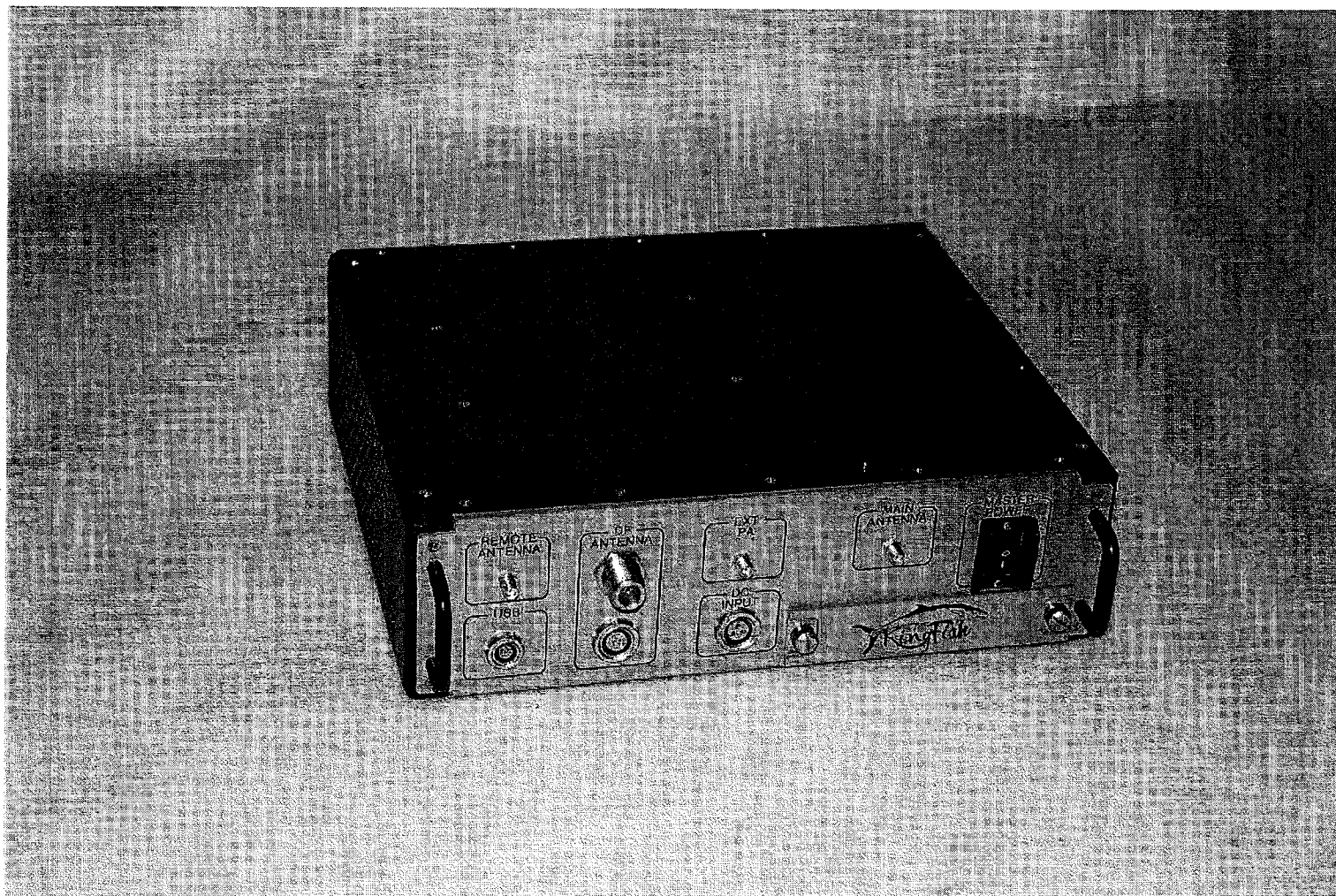


Daniel Rigmaiden
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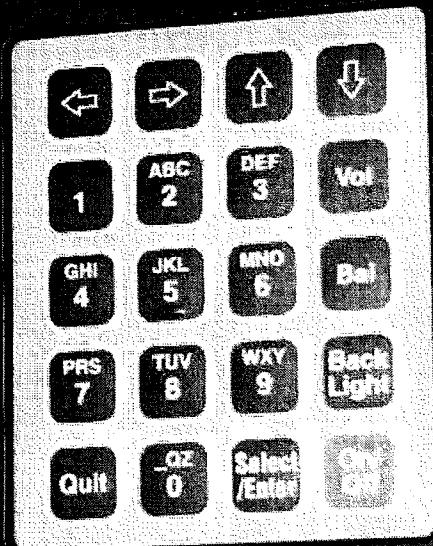
ATTACHMENT







LoggerHead
4000PCS



HARRIS

WIRELESS
products group

StingRay™

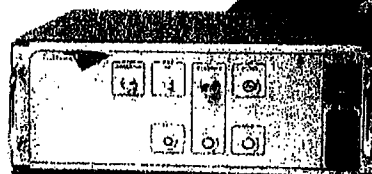
***Transportable CDMA
Interrogation, Tracking
and Location, and
Signal Information
Collection System***

Product Description

StingRay™ is Harris' latest offering in a long line of advanced wireless surveillance products. StingRay is a multichannel software defined radio that performs network base station surveys, Dialed Number and registration collection, mobile interrogation, and target tracking and location with Harris' Amber-Jack™ Direction-Finding Antenna. This low-power transportable surveillance system is designed with the future in mind—its reconfigurable architecture lends itself to upgrades of new capabilities and wireless standards, while preserving the initial investment in hardware.

Features

- Software Defined Radio (SDR) enables simultaneous monitoring of up to eight CDMA Paging/Access channel pairs
- Active interrogation capability emulates base station to collect MINs and ESNs through forced registration; external PA output available for higher power requirements
- Interfaces with AmberJack antenna to form a complete target tracking and location solution using active direction-finding and ranging techniques (active approach does not require the target phone to be engaged in a call)
- Optional geolocation software overlays target tracks and tracking vehicle location on a digital map
- Wideband RF front-end provides simultaneous operation in the U.S. cellular 800 and PCS 1900 MHz bands and is preconfigured to support iDEN (low band), GSM 900, and DCS 1800 bands
- PC-based controller running Windows® XP provides an intuitive Graphical User Interface (GUI)
- Industry-standard USB interface enables plug-n-play networking of multiple StingRay surveillance systems if the user requires more channel capacity
- Supports targeting and real-time searching of mobile identification numbers (MIN), dialed numbers, and electronic serial numbers (ESN)
- Low-power system designed for vehicular operations



next level solutions

JUL-18-2002 11:31

HARRIS and KNIGHT LLP

P.26

HARRIS**StingRay™**

**Transportable CDMA
Interrogation, Tracking
and Location, and
Signal Information
Collection System**

WIRELESS
products group

Product Description

StingRay™ is Harris' latest offering in a long line of advanced wireless surveillance products. StingRay is a multichannel software defined radio that performs network base station surveys, Dialed Number and registration collection, mobile interrogation, and target tracking and location with Harris' Amber-Jack™ Direction-Finding Antenna. This low-power transportable surveillance system is designed with the future in mind—its reconfigurable architecture lends itself to upgrades of new capabilities and wireless standards, while preserving the initial investment in hardware.

Features

- Software Defined Radio (SDR) enables simultaneous monitoring of up to [REDACTED] channel pairs
- Active Interrogation capability emulates base station to collect MINs and ESNs through forced registration; external output available for [REDACTED] requirements
- Interfaces with AmberJack antenna to form a complete target tracking and location solution using active [REDACTED] and [REDACTED] techniques
the target phone [REDACTED]

- Optional [REDACTED]
- [REDACTED] RF front-end provides [REDACTED] operation in the U.S. cellular bands and is reconfigured to support [REDACTED] bands
- PC-based controller running [REDACTED] provides an intuitive Graphical User Interface (GUI)
- Industry-standard USB interface enables [REDACTED]
- Supports [REDACTED]
- [REDACTED] designed for [REDACTED] operations

next level solutions**EXHIBIT C**

Received from < > at 7/18/02 11:31:01 AM [Eastern Daylight Time]

JUL-18-2002 11:31

HARRIS and KNIGHT LLP

P.27

Wireless Products Group**Standards Currently Supported**

- [REDACTED]

Future Standards Supported

- Software reconfigurable architecture will allow for future software upgrades to support other wireless standards and capabilities

Operating Bands

- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]

Transmit Capabilities*(For Interrogation and Active Tracking and Location)*

- Up to [REDACTED] dBm output
- Interfaces with an [REDACTED]

Compatible Accessories

- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]

Interfaces

- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- Power
- [REDACTED]

Physical Characteristics

- Housing: Standard aluminum case
- Wheeled transit case
 - Stows [REDACTED]
 - Conforms to airline carry-on weight and size limits

PC Controller Characteristics

- [REDACTED] operating system
- GUI is easily configured by user for mission scenarios
- Enables field upgrade of system firmware
- Integrated [REDACTED] GUI with optional [REDACTED]

1. Hardware is preconfigured to work in these bands. Future software upgrades will provide operation in these bands—consult Harris Wireless Products Group for availability.

Specifications are subject to change without notice.

StingRay and AmberJack are trademarks of Harris Corporation.

Windows XP is a registered trademark of Microsoft Corporation.

This product is a restricted use item and can be sold only to authorized law enforcement and government agencies. Its use shall comply with all local, state and federal statutes associated with the intercept and monitoring of oral communications. Harris Corporation assumes no liability for any misuse or improper use of the product and makes no representation as to its suitability for any specific application.

DISTRIBUTION WARNING

This brochure may be provided only to persons eligible under 18 USC 2512 (Government law enforcement agencies or communications service providers).

This brochure may only be given to U.S. citizens, permanent residents of the U.S. (green card holders), or Canadians eligible under 22 CFR 126.5.

HARRIS

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Government Communications Systems Division | P.O. Box 37 | Melbourne, FL USA 32902-0037
1-800-358-5297 or wpg@harris.com | www.harris.com

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TOTAL P.27

HARRIS

WIRELESS
products group

AmberJack™

Dual-Band Direction Finding System

Product Description

AmberJack™ is a phased array direction finding (DF) antenna system capable of tracking and locating mobile phone users. The DF antenna array is designed to operate with Harris' Loggerhead™ and StingRay™ products enabling tracking and location of AMPS, TDMA and CDMA phones. AmberJack operates in both the cellular and PCS bands.

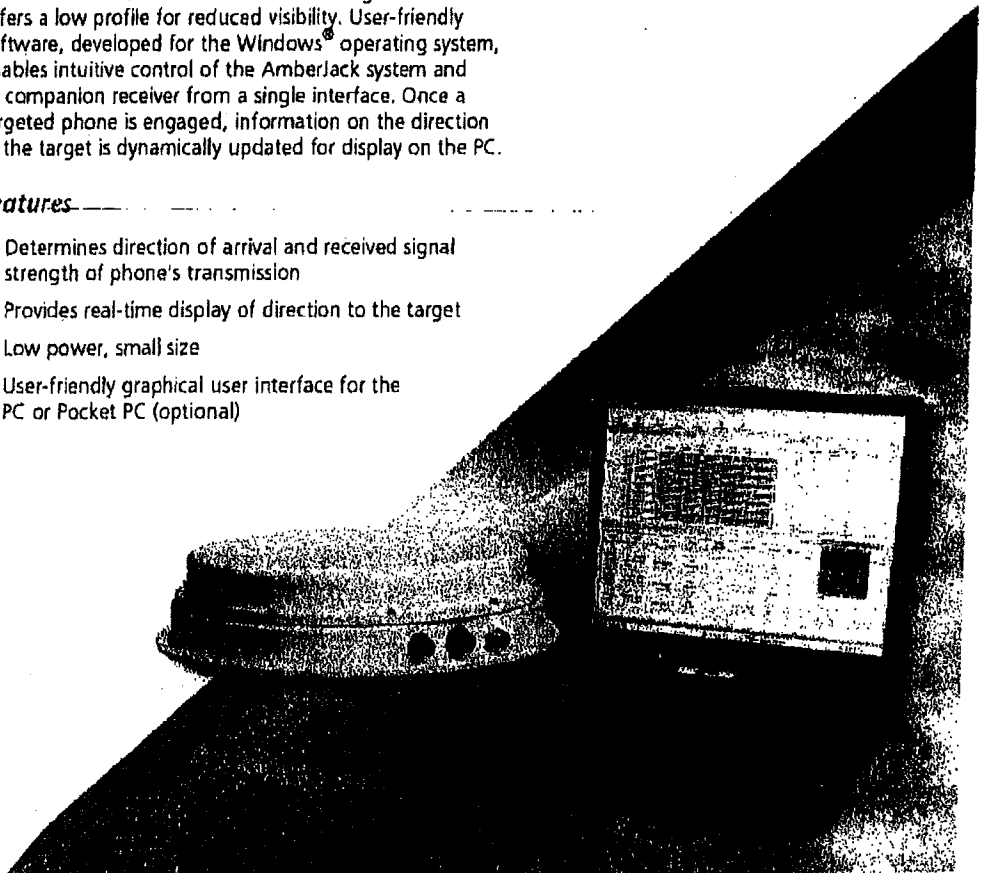
AmberJack combines Harris' expertise in phased array antenna technology and tracking and locating systems to offer a state-of-the-art direction finding system. Beam forming technology offers a universal DF antenna for existing as well as future cellular standards.

The DF antenna array incorporates magnetic mounts for ease of installation to the roof of a tracking vehicle and offers a low profile for reduced visibility. User-friendly software, developed for the Windows® operating system, enables intuitive control of the AmberJack system and its companion receiver from a single interface. Once a targeted phone is engaged, information on the direction to the target is dynamically updated for display on the PC.

Features

- Determines direction of arrival and received signal strength of phone's transmission
- Provides real-time display of direction to the target
- Low power, small size
- User-friendly graphical user interface for the PC or Pocket PC (optional)

next level solutions





Wireless Products Group

AmberJack®

Direction-Finding System

Product Description

AmberJack® is a phased array direction-finding (DF) antenna system capable of tracking and locating mobile phone users and base stations. The DF antenna array is designed to operate with Harris' Gossamer®, KingFish®, StingRay®, and StingRay II® products, enabling tracking and location of targeted mobile phones, as well as base stations. AmberJack-X operates in the U.S. cellular 850 and PCS 1900 bands, and AmberJack-G operates in the EGSM 900 and DCS 1800 bands. AmberJack-W operates in all the bands above as well as iDEN™ and UMTS bands I and IV.

AmberJack combines Harris' expertise in phased array antenna technology and

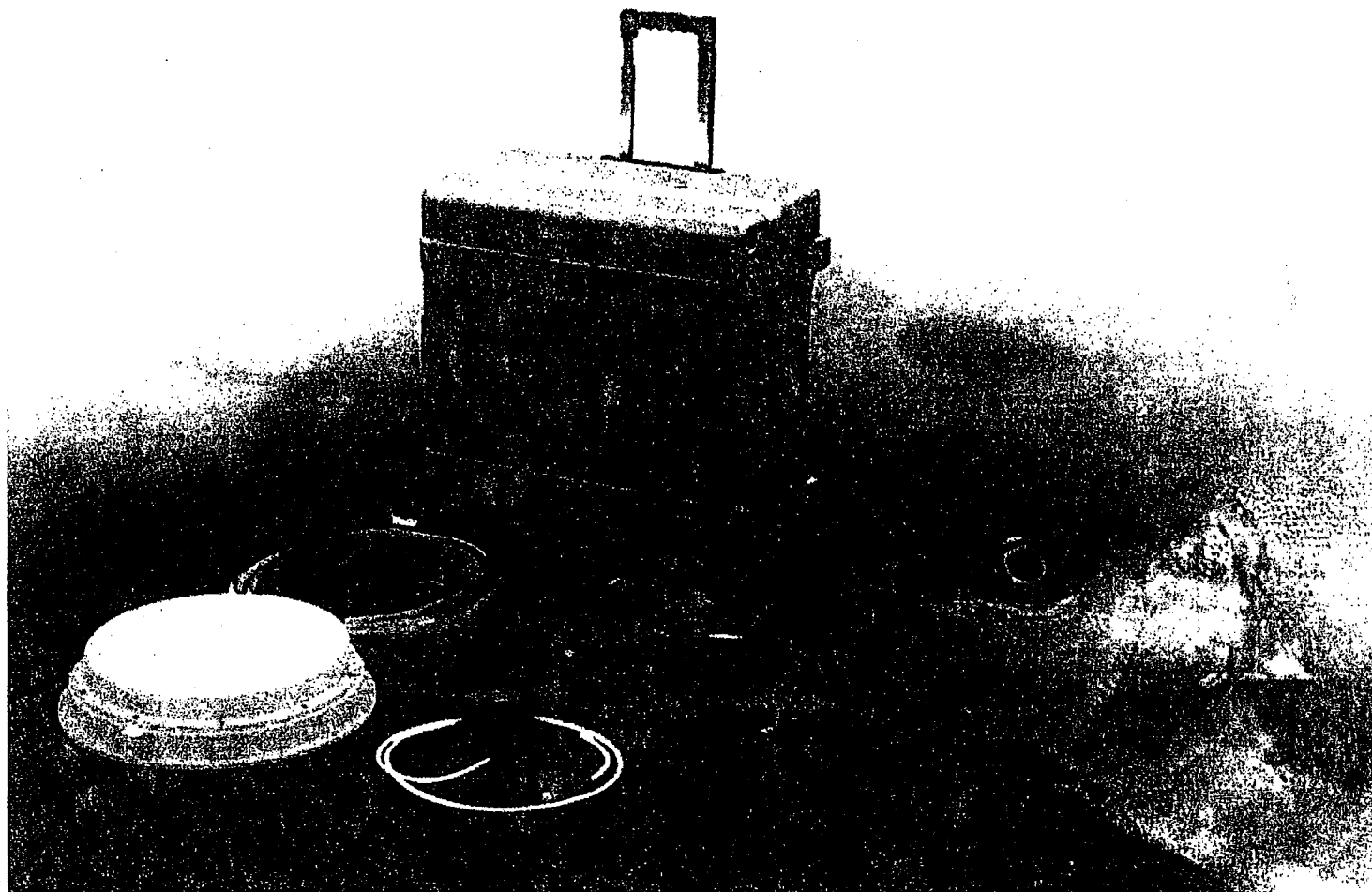
tracking and locating systems to offer a state-of-the-art direction-finding system. Phased array technology offers a universal DF antenna for existing, as well as future cellular standards.

The DF antenna array incorporates magnetic mounts for ease of installation on the roof of a tracking vehicle and offers a low profile for reduced visibility. User-friendly software, developed for the Windows® operating system, enables intuitive control of the AmberJack system and its companion receiver from a single interface. Once a target is engaged, information on the direction to the target is dynamically updated for display on the PC.



Operations Supported

- Locating mobile phones and base stations
- Tracking mobile phones



AmberJack® Direction-Finding System



Features

- Determines direction of arrival and received signal strength of a targeted mobile phone's transmission
- Determines direction of arrival and received signal strength of a targeted base station's transmission
- Provides real-time display of direction to the target
- Low power and portable
- User-friendly Graphical User Interface (GUI) for the PC

Frequency Coverage

- AmberJack-X (U.S. Cellular/PCS 1900)
 - Cellular reverse: 824-849 MHz
 - Cellular forward: 869-894 MHz
 - PCS reverse: 1850-1910 MHz
 - PCS forward: 1930-1990 MHz
- AmberJack-G (EGSM 900/DCS 1800)
 - EGSM reverse: 880-915 MHz
 - EGSM forward: 925-960 MHz
 - DCS reverse: 1710-1785 MHz
 - DCS forward: 1805-1880 MHz

- AmberJack-W (Wideband)
 - iDEN reverse: 806-825 MHz
 - iDEN forward: 851-870 MHz
 - Cellular reverse: 824-849 MHz
 - Cellular forward: 869-894 MHz
 - PCS reverse: 1850-1910 MHz
 - PCS forward: 1930-1990 MHz
 - EGSM reverse: 880-915 MHz
 - EGSM forward: 925-960 MHz
 - DCS reverse: 1710-1785 MHz
 - DCS forward: 1805-1880 MHz
 - UMTS IV reverse: 1710-1755 MHz
 - UMTS IV forward: 2110-2155 MHz
 - UMTS I reverse: 1920-1980 MHz
 - UMTS I forward: 2110-2170 MHz

External Control

- Laptop PC (Windows® XP Professional)

Power source

- 12 Vdc at 0.5 A

Physical Characteristics

- Size: D = 17", H = 4.2"
- Weight: <14 lbs

Required Accessories (sold separately)

Gossamer with PC Controller, StingRay system, StingRay II, or KingFish with PC Controller

Optional Accessories

Harpoon™ for DF range extension

Catalog Part Number

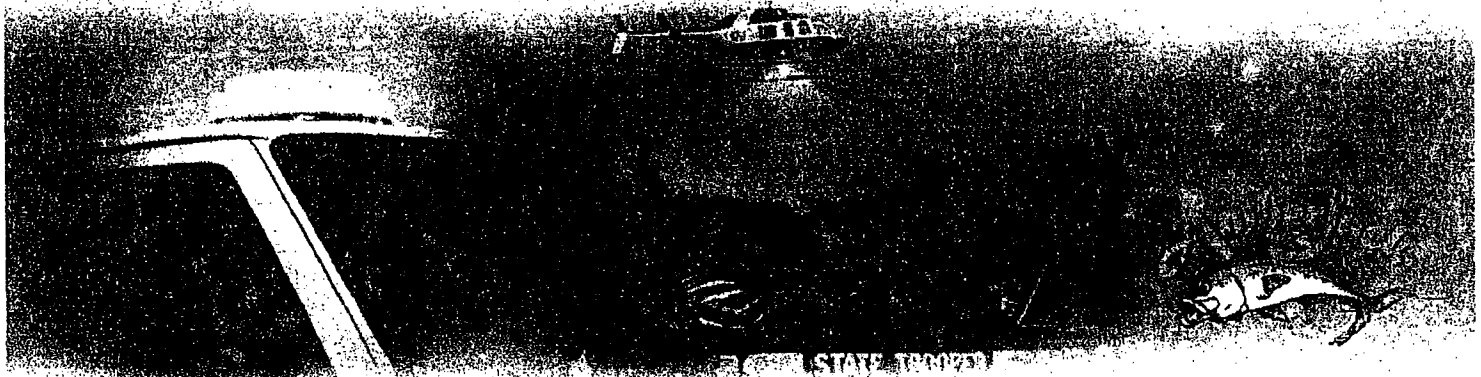
- AJ-X (AmberJack-X)
- AJ-G (AmberJack-G)
- AJ-W (AmberJack-W)

Authorized Federal Supply Service Information Technology Schedule

- SIN: 132-8 Purchase of Equipment
- SIN: 132-12 Maintenance, Repair Services and Repair Parts/Spare Parts

GSA Contract Number: GS-35F-0293J

General Services Administration Federal Supply Service products and ordering information in this Authorized FSS Information Technology Schedule Pricelist are also available on the GSA Advantage! System. Agencies can browse GSA Advantage! by accessing the GSA's home page via the Internet at www.gsa.gov.



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HARRIS

WIRELESS
products group

KingFish™
(Preliminary)

Portable
CDMA Interrogation,
Direction-Finding, and
Collection System

Product Description

KingFish™ provides investigators with a tool that extracts the telephone number (MIN) and Electronic Serial Number (ESN) from a CDMA mobile telephone. The Active Direction-Finding (DF) capability enables location of a powered-on phone without depending on the suspect to be involved on a call. Additionally, KingFish provides passive Dialed Number Recorder (DNR) and Registration Collection capabilities. Passive operations identify calling patterns and provide information on the suspect's area of operation.

KingFish is based on a Software Defined Radio (SDR) architecture, which enables upgrades to future cellular standards, while preserving the initial investment in hardware. As initially offered, KingFish provides CDMA operation in both the Cellular and PCS bands.

Features

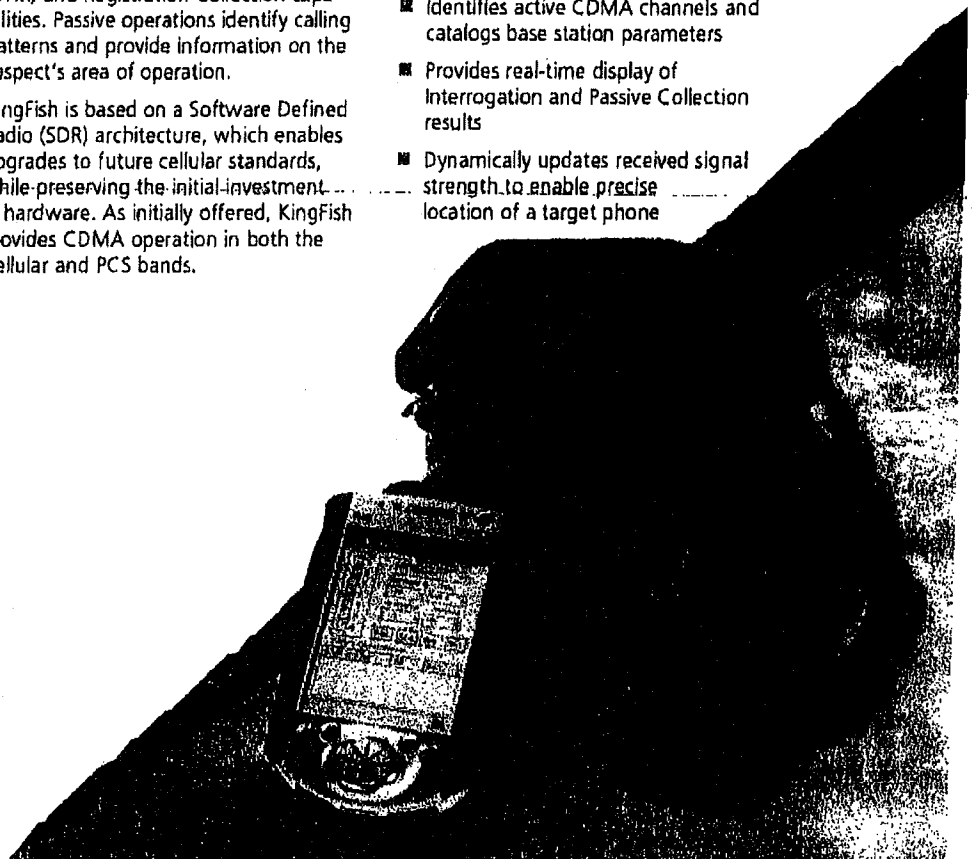
Covert Packaging

- Concealed radio, antennas, and battery power supply
- Wireless remote control from commercially available Pocket PC

Intuitive Application Software

- Windows® interface
- Identifies active CDMA channels and catalogs base station parameters
- Provides real-time display of Interrogation and Passive Collection results
- Dynamically updates received signal strength to enable precise location of a target phone

next level solutions





Geolocation (Preliminary)

***PC-Based Intelligent
AMPS/TDMA and CDMA
Tracking and Location***

Product Description

Geolocation is a PC-based software application that allows the user to intelligently track and locate targeted AMPS/TDMA and CDMA cellular phones in the 800 and 900 MHz bands. Geolocation consists of software and an external GPS receiver. Geolocation will be offered in two options: an AMPS/TDMA Option to be used in conjunction with the Harris LoggerHead™ Interrogator plus the PC Controller™ and the AmberJack™ DF Antenna; and a CDMA Option to be used in conjunction with the Harris StingRay™ system plus the Amber-Jack™ DF Antenna.

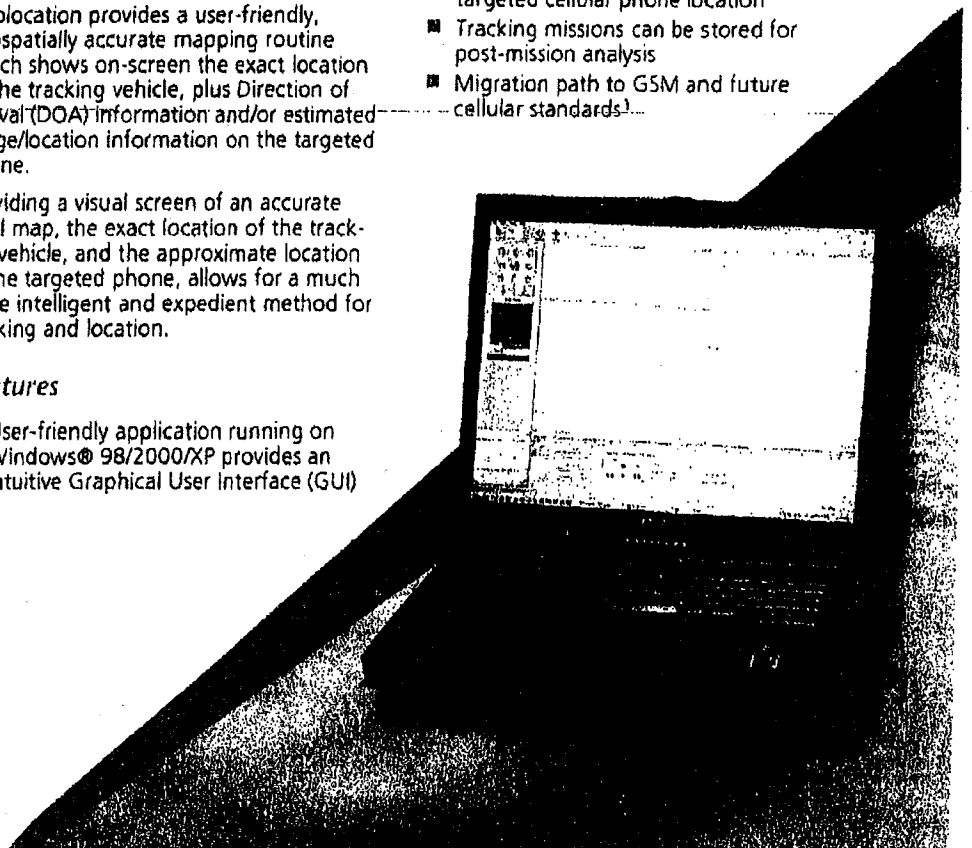
Geolocation provides a user-friendly, geospatially accurate mapping routine which shows on-screen the exact location of the tracking vehicle, plus Direction of Arrival (DOA) information and/or estimated range/location information on the targeted phone.

Providing a visual screen of an accurate local map, the exact location of the tracking vehicle, and the approximate location of the targeted phone, allows for a much more intelligent and expedient method for tracking and location.

Features

- User-friendly application running on Windows® 98/2000/XP provides an intuitive Graphical User Interface (GUI)

- AMPS/TDMA: Interfaces with the LoggerHead™ Handheld Interrogator plus the PC Controller™ and the AmberJack™ Direction-Finding (DF) Antenna
- CDMA: Interfaces with the StingRay™ plus the AmberJack™ Direction-Finding (DF) Antenna
- Provided GPS receiver integrates with PC running the application
- Real-time viewing of tracking vehicle location
- Real-time viewing of approximate targeted cellular phone location
- Tracking missions can be stored for post-mission analysis
- Migration path to GSM and future cellular standards)





Wireless Products Group

Harpoon™

Software-Controlled, High-Power Filtered Amplifier

Product Description

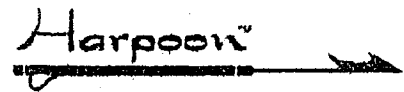
Harpoon™ is a software-controlled, high-power filtered amplifier that maximizes the multichannel transmit capability of the StingRay II® and significantly improves the performance of the single-channel StingRay® and KingFish® systems by providing high-gain, wide dynamic range, and excellent linearity along with 30 watts of filtered output power. System status indication alerts the user during fault conditions including problems with the RF connections.

■ Four Versions Available

- Harpoon 850/1900 (Dual Band)
- Harpoon 900/1800 (Dual Band)
- Harpoon 2100 (Single Band)
- Harpoon i800 (Single Band)

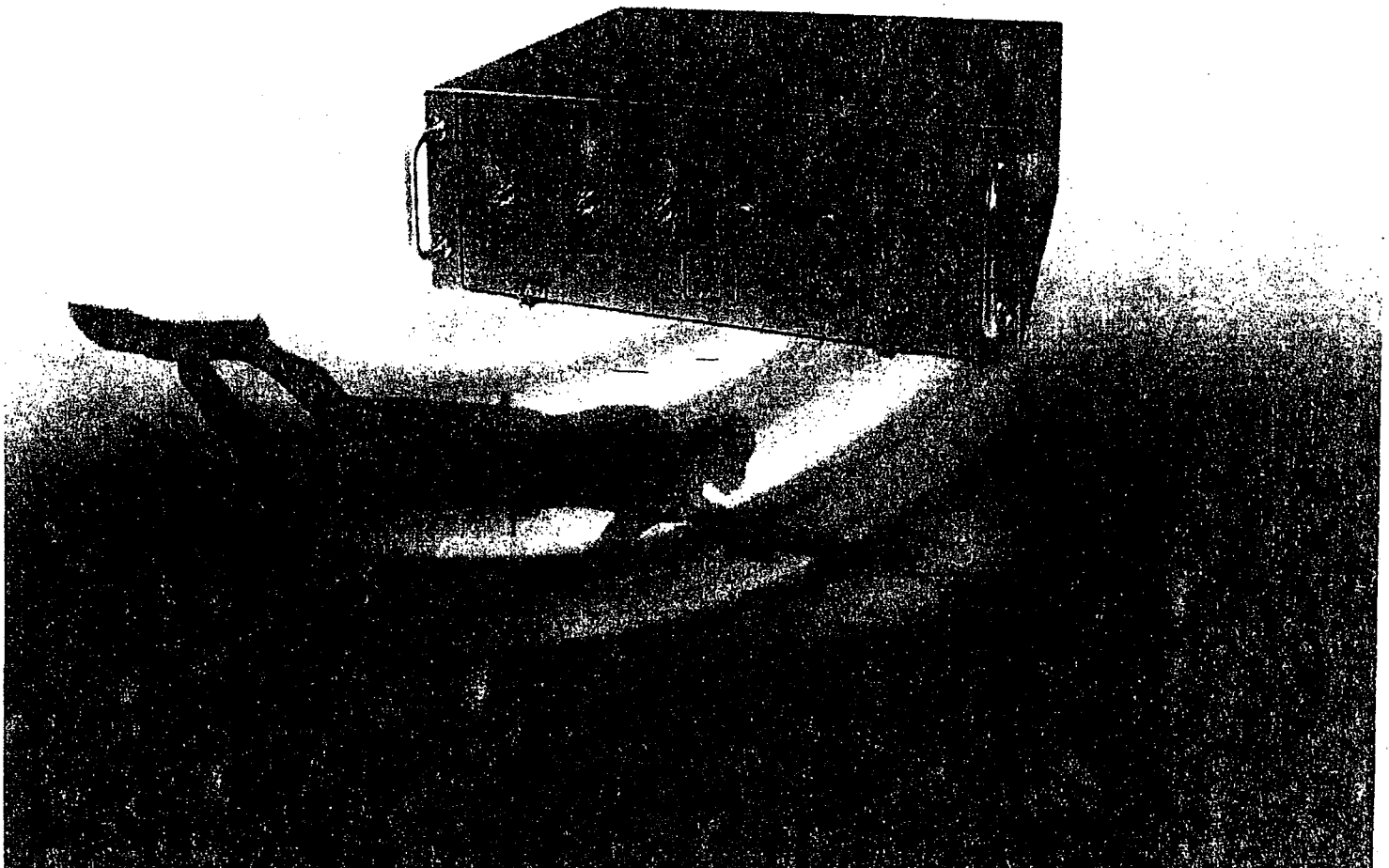
Features

- Automatic Level Control
 - Maximizes total output power up to 30 W per band
 - Maintains constant output power
 - Improves power level accuracy
- Filtered Output
 - Improves transmit signal quality
 - Improves receiver sensitivity



Operations Supported

- Maximizes the multichannel transmit capability of the StingRay II
- Significantly improves the performance of the single-channel StingRay and KingFish systems



Harpoon™

Software-Controlled, High-Power Filtered Amplifier



Standards Supported

- GSM
- CDMA2000®
- iDEN
- UMTS

Frequency Coverage

- 850/1900: 869–894 MHz/1930–1990 MHz
- 900/1800: 925–960 MHz/1805–1880 MHz
- iDEN 800: 851–870 MHz
- 2100: 2110–2170 MHz

Physical Characteristics

- Dual Band
 - Size: 10.5" x 14.75" x 5"
 - Weight: 24 lbs
- Single Band
 - Size: 10.5" x 10.5" x 5"
 - Weight: 15 lbs

Power Specifications

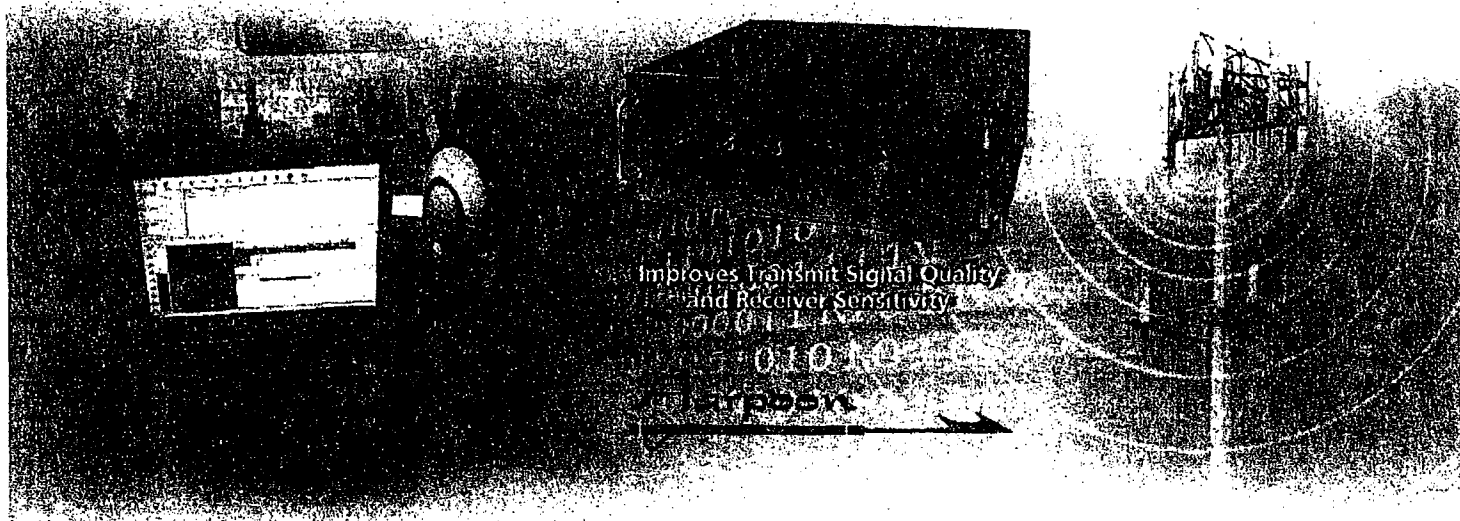
- Input: 10–33 Vdc
- Power Consumption
 - Dual Band: 440 W max
 - Single Band: 280 W max

Optional Accessories

- Diplexer for dual-band operation with StingRay and KingFish

Catalog Part Number

- Harpoon 850/1900
- Harpoon 900/1800
- Harpoon i800
- Harpoon 2100



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UMTS IV Converter

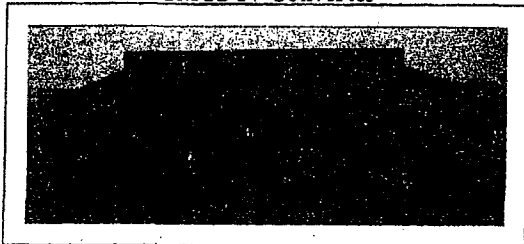
Overview

UMTS IV Converter is a high performance Frequency Converter that enables the StingRay® or KingFish® to operate in the CONUS UMTS IV (2100 MHz DL, 1700MHz UL) band. Its high stability and extremely low phase noise performance enables stand-alone-capability; which allows the StingRay/KingFish and Converter to operate with independent references. Its excellent channel-pair rejection enables operation with high-power PAs.

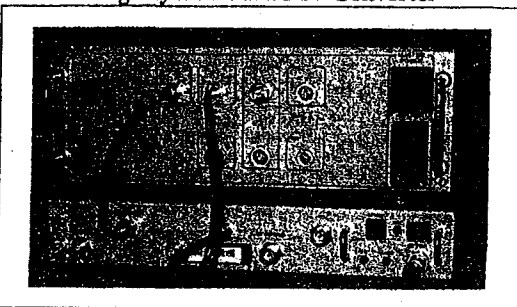
UMTS IV Converter enables the StingRay/KingFish to transmit on the UMTS IV downlink band and to receive on both the uplink and downlink bands. It automatically shuts down the downlink receive path during transmit mode, improving system isolation and reducing power consumption.

Active gain compensation guarantees constant gain over temperature, frequency, aging, and other environmental effects during transmit mode and guarantees constant gain over temperature during receive mode.

UMTS IV Converter



StingRay and UMTS IV Converter



assuredcommunications*

Features

Transmit

- TX conversion from 1842.5 to 2140 MHz
- 60 MHz low ripple bandwidth
- Circuitry turns off during receive only mode
- Active gain compensation over temp and freq
- Active TX LED status indicator

Receive

- RX 1 conversion from 2140 to 1842.5 MHz
- RX 2 conversion bypass
- RX 1 circuitry turns off during transmit mode
- 11dB gain is temperature compensated
- Attenuators are activated from the front panel

Local Oscillators

- 0.5° Integrated Phase Noise (100Hz – 1MHz)
- 0.2ppb over temperature, ±25ppb/year aging
- LED status indicator

Mechanical Housing

- Rugged welded metal case
- Formed lid for convenient transceiver mounting
- Front panel connectors, controls, and indicators

Accessories included:

- Transit Case
- AC/DC converter
- DC/DC converter for vehicular operation
- RF cables for StingRay/KingFish connections
- RF cable for PA connection
- Brackets for KingFish installation

HARRIS PROPRIETARY INFORMATION

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WPG Product Pricing

Effective Date: 12/7/09

Update: 2/24/10

Version S&L 2010

Product Description		Part #	Domestic Pricing		GSA Pricing	
			1 - 15	16+	1 - 15	16+
StingRay						
StingRay			STINGRAY	75,100	71,300	68,479
StingRay GSM Software			SRAY-GSM-SW	22,000	20,900	
StingRay CDMA Software			SRAY-CDMA-SW	22,000	20,900	
StingRay IDEN Software			SRAY-IDEN-SW	22,000	20,900	
StingRay 2100 MHz B1 Down Converter w/ By Pass (OCONUS)			CONV-2100/1900-WBP	19,800	18,800	18,054
StingRay 2100 MHz B4 Down Converter w/ By Pass (CONUS)			CONV-2100/1700-WBP	19,800	18,800	18,054
StingRay Accessories						
StingRay Replacement Kit			SR-REPLACEMENT KIT	500		
Cable Assembly PC/USB - 6' Cable			3092524-102	196		
Cable Assembly PC/USB - 12' Cable			3092524-103	220		
Cable DC Power			3092525-101	171		
StingRay Carrying Case			RE1017HA	925		
115V Power Cord			17250	8		
Laptop PC Controller (Dell Latitude)			2009523-101	3,500		
Panasonic Toughbook Computer			2009525-101	6,500		
Adapter, DC (Laptop) (non- Charging)			DE2035-803	226		
Mouse, CMPTR (Micro Trac)			2009523-003	50		
Auto Power Adapter (8500 & D600)			2009523-002	128		
Mobile Mast 20'			OSMM-SA-20	2,990		
12' Extension Cable (TNC to N)			PE3665-144	80		
12' Extension Cable (TNC to TNC)			PE3414-144	85		
N-F to TNC-F Adapter			PE9131	48		
TNC-F to TNC-F Adapter			PE9099	28		
N-M to TNC-F Adapter			PE9090	30		
N-F to TNC-M Adapter			PE9089	28		
Directional Antenna, Yagi (GSM) Pole Mount			Y2287A-66	100		
SDR Radio Slice			3092527-201	15,000		
DC-DC Power Supply Module (SR & KF)			3092577-101	1,400		
Duplex Filter (AMPS/PCS) Stand Alone			WSA-00045	1,970		
Duplex Filter (EGSM/DCS) Stand Alone			WSA-00100	2,310		
Quad Band Mag Mount Antenex Antenna (TNC)			3174173-101	125		
15' TNC-M to TNC-F Extension Cable			CA-400UF-TMTF-15	60		
StingRay II						
StingRay II			STINGRAY II	148,000	140,600	134,952
StingRay II Upgrade			STINGRAY II-UP	71,300	67,700	65,014
StingRay II GSM Software			SRAY-II-GSM-SW	22,000	20,900	
StingRay II CDMA Software			SRAY-II-CDMA-SW	22,000	20,900	
StingRay II IDEN Software			SRAY-II-IDEN-SW	22,000	20,900	
StingRay II Accessories						
Cable Assembly PC/USB - 6' Cable			3092524-102	196		
Cable Assembly PC/USB - 12' Cable			3092524-103	220		
Laptop PC Controller (Dell Latitude)			2009523-101	3,500		
Adapter, DC (Laptop) (non- Charging)			DE2035-803	226		
Panasonic Toughbook Computer			2009525-101	6,500		
Mouse, CMPTR (Micro Trac)			2009523-003	50		
Quad Band Mag Mount Antenex Antenna (TNC)			3174173-101	125		
15' TNC-M to TNC-F Extension Cable			CA-400UF-TMTF-15	60		
Quad Band Yagi (Wedge) Including 6ft cable (PE 3076-72)			3118694-201	1,300		
Cable Assembly, RF (SMA-M to RTANGM-M) 6'			PE3076-72	104		
Cable Assembly, RF (SMA-M to RTANGM-M) 12'			PE3076-144	108		
GPS Antenna			ANT-GPS-SH-SMA	50		
AC/DC Converter			ACHA1224-1936	800		
Volt Converter (Universal Plug Kit)			3142757-101	100		
StingRay II Case			RE041908HA	750		
SDR Radio Slice			3092527-201	15,000		

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Version S&L 2010

KingFish				
KingFish	KINGFISH	27,800	26,400	25,349
KingFish N-Connector Upgrade	KF-N-UP	2,800	2,700	
KingFish GSM Software	KF-GSM-SW	18,100	17,200	
KingFish CDMA Software	KF-CDMA-SW	18,100	17,200	
KingFish IDEN Software	KF-IDEN-SW	18,100	17,200	
KingFish Accessories				
Kingfish Replacement Kit	KF-REPLACEMENT KIT	1,678		
Tote Bag Assembly	3100242-101	570		
Carrying Case, KingFish	RE0513HA	950		
Cable Assembly, W102 (PC USB Type A) 6' cable	3092524-102	198		
Cable DC Power	3092525-101	171		
Battery Pack (11.1V)	2014068-101	256		
Lithium-Ion Battery Charger	2014068-102	426		
Battery, Adapter, Lighter (24V, 1.5A)	VA2524	140		
Power Supply (12V, 5A)	ACHA-12501	190		
Quad Band Yagi (Wedge) Including 6ft cable (PE 3076-72)	3118694-201	1,300		
Cable Assembly, RF (SMA-M to RTANGM-M) 6'	PE3076-72	104		
Cable Assembly, RF (SMA-M to RTANGM-M) 12'	PE3076-144	108		
Antenna Device, Wave, PCS/Cell (Green)	2014620-001	22		
Antenna Device, Wave, GSM (Orange)	2014620-002	22		
Antenna, 1/4 Wave (2.4 GHZ) (Bluetooth)	2014628-001	18		
Backpack Carrying Case Custom (Blue)	3100242-103	450		
Backpack Carrying Case Custom (Army Digi-Camo)	3100242-104	450		
Quad Band Mag Mount Antenex Antenna (SMA)	3174173-102	125		
AmberJack				
AmberJack G	AJ-G	24,300	23,100	22,158
AmberJack X	AJ-X	24,300	23,100	22,158
AmberJack W	AJ-W	36,400	36,600	35,015
AmberJack Legacy to W Upgrade	AJL-W-UP	19,750	18,800	18,009
AmberJack X & G to W Upgrade	AJXG-W-UP	21,650	20,600	19,741
AmberJack Accessories				
Cable Assembly, DBDF Antenna, Loggerhead (12')	3088596-101	650		
Cable Assembly, DBDF Antenna, LH/Gossamer (12') (To be used in place of the	3120038-101	650		
Carrying Case	RE0512HA-2	890		
Cable Assembly, 3-Way Splitter	DC15A-3J1	170		
Eyebolt, Swivel	47621	54		
Power Cable Internal	3087877-101	73		
Tool, Eyebolt	47641/84882	15		
Webbing Assembly, 12ft.	8834T535	35		
Radome Assembly	3087882-101	1,800		
Cable Assembly, DBDF Antenna, SlingRay (12') - (old PN: 3099547-101) Three	KCII/1660	800		
Cable Assembly, (35')	KCII/1672-1	1,200		
Cable Assembly, DBDF Antenna, SlingRay (25')	KCII/1672	975		
Cable Assembly, DBDF Antenna, SlingRay (5 meters or 16' 4") - (old PN:	KCII/1684	825		
Cable Assembly, DBDF Antenna, SlingRay (50') - (old PN: 3099547-102)	KCII/1696	1,300		
CASE, CARRYING, AMBERJACK-W	RE022608HA	1,020		
4 Watt PA Kit				
Power Amp Kit	PA-KIT	3,500	3,300	
4 Watt PA Kit Accessories				
Power Amp	SM0520-36HH	2,150		
Carrying Case	RE0602HA	700		
Adapter Cable - SMA Male to SMA Male (12")	PE3377-12	58		
3 Way DC Splitter	DC15A-3J1	170		
DC Power Cable	CBLIO-00390	100		
Right Angle SMA Coax Adapter	PE9068	32		
Mounting Plate	3102393-101	62		
Adapter Cable - SMA Male to SMA Male (72")	PE3377-72	60		
Quad Band Mag Mount Antenex Antenna (SMA)	3174173-102	125		

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10-Watt PA Kit				
Power Amp Kit - 10 Watt	PA-KIT-10W	4,500	4,300	
10-Watt PA Kit Accessories				
Amplifier 10Watt	SM0822-3906	2,390		
Carrying Case	RE0118HA	700		
Adapter Cable - SMA / TNC (18") w/ Attenuator	3147080-101	108		
3 Way DC Splitter	DC15A-3J1	170		
Adapter Cable - SMA / TNC (72") w/ Attenuator	3147080-102	110		
DC Power Cable for 10-Watt PA	180-8045-66	62		
AC to DC Power Supply for 10 Watt PA	ACHA1270-1465	218		
AC to DC Power Supply for 10 Watt PA - 25 feet	CBLSM-F00416	120		
Quad Band Mag Mount Antenex Antenna (TNC)	3174173-101	125		
15' TNC-M to TNC-F Extension Cable	CA-400UF-TMTF-15	60		
Attenuator, FXD; 5DB (SMA to SMA)	BW-S5W2	50		
25-Watt PA Kits				
High Power Filtered 25W PA Kit - (800/850/1900/2100 B4)	PA-KIT-25W CONUS	11,500	10,900	10,486
High Power Filtered 25W PA Kit - (900/1800/2100 B1)	PA-KIT-25W OCONUS	11,500	10,900	10,486
25-Watt PA Kit Accessories				
High Power antenna	VBC-822-M-1	800		
DC Power Cable (CLA)	3092525-101	120		
AC/DC Power Converter	ACHA1224-2651	1,000		
DC / DC Power Cable	CBLIO-00640	200		
RF Cable	920-10027-012	250		
Carry Case	RE052809HA	900		
30-Watt PA Kits - Harpoons				
High Power Filtered 30W PA Kit- Single Band IDEN 800	PA-KIT-30W IDEN 800	16,400	15,600	14,854
High Power Filtered 30W PA Kit- Single Band 2100	PA-KIT-30W 2100	18,550	17,500	16,915
High Power Filtered 30W PA Kit- Dual Band 850/1900	PA-KIT-30W Dual-Band CONUS	20,200	19,200	18,419
High Power Filtered 30W PA Kit- Dual Band 900/1800	PA-KIT-30W Dual-Band OCONUS	20,200	19,200	18,419
30-Watt PA Kits - Harpoons Accessories				
Harpoon AC/DC Converter	ACHA2816-2597	1,200		
USB Cable Assembly	3092524-102	196		
USB to AUX Cable Assembly (Belge)	3181099-101	210		
RF Cable Assembly (Blue)	920-10027-012	210		
Harpoon Mounting Tray Assembly	3182503-101	700		
Antenna: 806-2200 MHZ Magnetic Mount	VBC-822-M-1	800		
Coax Adapter; SMA Male to TNC Female	PE9078	60		
Aux to Primary (Harpoon to SR) Cable Assy	3186799-101	210		
Aux to Primary (Harpoon to SR II) Cable Assy	3186800-101	180		
OCTOPUS				
Tactical Power Kit	OCTOPUS	20,000	19,000	18,237
OCTOPUS Accessories				
Directional Antenna, Quad Band w/Handle - *Requires P/N PE3377-72 & PE9070	SWAN80183G1W3V3	740		
Quad Band Mag Mount Antenex Antenna (TNC)	3174173-101	125		
15' TNC-M to TNC-F Extension Cable	CA-400UF-TMTF-15	60		
Quad Band Mag Mount Antenex Antenna (SMA)	3174173-102	125		
Antenna: 806-2200MHZ Magnetic Mount	VBC-822-M-1	800		
Directional Antenna, Yagi (Cell)	3084617-101	300		
Directional Antenna, Yagi (DCS/PCS)	3084618-101	300		
Directional Antenna, Yagi (GSM)	3084619-101	300		
Directional Antenna, Quad Band w/Handle w/ Attenuator - Requires P/N PE3377-	3120062-101	1,100		
Directional Antenna, Yagi (DCS/PCS) - Pole Mount	Y421812	100		
Directional Antenna, Yagi (GSM) Pole Mount	Y2287A-66	100		
Quad Band Yagi (Wedge) 6ft Cable Included (PE3662-72)	3118694-101	1,300		

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Converters			
SlingRay 2100 MHz B1 Down Converter w/ By Pass (OCONUS)	CONV-2100/1900-W/BP	19,800	18,054
SlingRay 2100 MHz B4 Down Converter w/ By Pass (CONUS)	CONV-2100/1700-W/BP	19,800	18,054
Converter Accessories			
HA1225-1937	Adapter	210	
Controller Descriptions			
Laptop PC	2009523	3,500	
Toughbook PC	2009525	6,500	
Rugged Mini-PC	2014069	5,500	
Optional Antenna			
Directional Antenna, Quad Band w/Handle - *Requires P/N PE3377-72 & PE9070	SWAN80183G1W3V3	740	
Quad Band Mag Mount Antenex Antenna (TNC)	3174173-101	125	
15' TNC-M to TNC-F Extension Cable	CA-400UF-TMTF-15	60	
Quad Band Mag Mount Antenex Antenna (SMA)	3174173-102	125	
Antenna; 806-2200MHZ Magnetic Mount	VBC-822-M-1	800	
Directional Antenna, Yagi (Cell)	3084617-101	300	
Directional Antenna, Yagi (DCS/PCS)	3084618-101	300	
Directional Antenna, Yagi (GSM)	3084619-101	300	
Directional Antenna, Quad Band w/Handle w/ Attenuator - Requires P/N PE3377-	3120062-101	1,100	
Directional Antenna, Yagi (DCS/PCS) - Pole Mount	Y421812	100	
Directional Antenna, Yagi (GSM) Pole Mount	Y2287A-66	100	
Quad Band Yagi (Wedge) 6ft Cable included (PE3662-72)	3118694-101	1,300	
Repairs			
Repair for all WPG products not covered by warranty. Charges are \$85.00/hr plus REPAIR		TBD	
Maintenance Descriptions		Domestic & Int'l	GSA
Maintenance 4W PA Kit	MT-4W	500	
Maintenance 10W PA Kit	MT-10W	500	
Maintenance 25W PA Kit CONUS	MT-25WC	1,500	1,436
Maintenance 25W PA Kit OCONUS	MT-25WO	1,500	1,436
Maintenance AmberJack X	MT-AJX	3,000	2,872
Maintenance AmberJack G	MT-AJG	3,000	2,872
Maintenance AmberJack W	MT-AJW	5,000	4,786
Maintenance Converter Band 1 OCONUS w/ BP	MT-CONV1O	2,700	2,584
Maintenance Converter Band 4 CONUS w/ BP	MT-CONV4C	2,700	2,584
Maintenance Harpoon 2100	MT-HARP21	2,000	1,914
Maintenance Harpoon CONUS	MT-HARPC	2,000	1,914
Maintenance Harpoon IDEN	MT-HARPI	2,000	1,914
Maintenance Harpoon OCONUS	MT-HARPO	2,000	1,914
Maintenance KingFish	MT-KF	4,000	3,829
Maintenance Octopus	MT-OCT	2,700	2,584
Maintenance StingRay	MT-SR	11,000	10,529
Maintenance StingRay I	MT-SRII	22,000	21,058
Training Descriptions		Per Description	
Training - Melbourne	TRAIN-MLB	4,000	
Training - Melbourne 1-Day Course	TRAIN-MLB-1	2,500	
Training - Florida	TRAIN-FL	4,300	
Training - East Coast	TRAIN-EC	6,000	
Training - East Coast 1-Day Course	TRAIN-EC-1	3,750	
Training - West Coast	TRAIN-WC	9,000	
Training - West Coast 1-Day Course	TRAIN-WC-1	6,000	

This information is provided for your convenience. Always call your Account Manager for most current pricing and availability.



Version S&L 2010

WPG Product Pricing

Effective Date: 12/7/09
Update: 2/24/10

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**HARRIS GCSD
PRICE LIST**

*Effective September 2008
All price quotes are in USD (\$)*

****This price list supersedes all previous price lists. Prices and products are subject to change without notice. Products are subject to discontinuation without notice.****



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AmberJack			
<u>MODEL NUMBER</u>	<u>DESCRIPTION</u>	<u>PRICE</u>	
		<u>1 to 15 Units</u>	<u>16+ Units</u>
AJ-G	The AmberJack-G DF Antenna is a phased array direction-finding (DF) antenna system capable of tracking and locating mobile phone users and base stations Forward and Reverse in the GSM 900 and 1800 MHz Bands.*	\$ 24,300	\$ 23,100
AJ-X	The AmberJack-X DF Antenna is a phased array direction-finding (DF) antenna system capable of tracking and locating mobile phone users and base stations Forward and Reverse in the GSM 800 and 1900 MHz Bands.*	\$ 24,300	\$ 23,100
AJ-W	The AmberJack-W DF Antenna is a wideband phased array direction-finding (DF) antenna system capable of tracking and locating mobile phone users and base stations Forward and Reverse in the frequency bands from 800MHz to 2100 MHz*	\$ 38,400	\$ 36,500
AJ-GUP	AmberJack-G DF Antenna Upgrade. Upgrades the legacy AJ-DF antenna to the AJ-G antenna.	\$ 13,000	\$ 12,400
AJ-XUP	AmberJack-X DF Antenna Upgrade. Upgrades the legacy AJ-DF antenna to the AJ-X antenna.	\$ 9,000	\$ 8,600
AJ-WUP	AmberJack-W DF Antenna Upgrade. Upgrades the legacy AJ-DF antenna, AJ-X or AJ-G antenna to the AJ-W antenna.	\$ 18,000	\$ 17,100
* Requires PC Controller Software for Gossamer Operations.			
<u>AmberJack Accessories</u>		<u>PRICE</u>	
3088596-101	Cable Assembly, DBDF Antenna, Loggerhead (12')	\$ 650	
3120038-101	Cable Assembly, DBDF Antenna, LH/Gossamer (12') (To be used in place of the 3088596-101 for both LH and Gossamer)	\$ 650	
KCII/1660	Cable Assembly, DBDF Antenna, StingRay (12') - (old PN: 3099547-101)	\$ 800	
RE0512HA-2	Carrying Case	\$ 890	
DC15A-3J1	Cable Assembly, 3-Way Splitter	\$ 170	
47621	Eyebolt, Swivel	\$ 34	
3087877-101	Power Cable Internal	\$ 73	
47641/94882	Tool, Eyebolt	\$ 15	
8834T561	Webbing Assembly, 12ft.	\$ 35	
3087882-101	Radome Assembly	\$ 1,800	
KCII/1672	Cable Assembly, DBDF Antenna, StingRay (25')	\$ 975	
KCII/1684	Cable Assembly, DBDF Antenna, StingRay (5 meters or 16' 4") - (old PN: 3099547-103)	\$ 825	
KCII/1696	Cable Assembly, DBDF Antenna, StingRay (50') - (old PN: 3099547-102)	\$ 1,000	



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StingRay®		PRICE	
MODEL NUMBER	DESCRIPTION	1 to 15 Units	16+ Units
STINGRAY	StingRay (4 module) – 1-CH Xmit Interrogation and Direction Finding Transportable Unit.	\$ 75,100	\$ 71,300
SRAY-GSM-SW	StingRay – GSM Software Package	\$ 22,000	\$ 20,900
SRAY-CDMA-SW	StingRay – CDMA Software Package	\$ 22,000	\$ 20,900
SRAY-IDEN-SW	StingRay – iDEN Software Package	\$ 22,000	\$ 20,900
SRAY-UMTS-SW	StingRay – UMTS Software Package	N/C	N/C
SRAY-GSM-SW-INTCP	StingRay -- GSM Intercept Software Package without S/C	\$ 27,400	\$ 26,000
SRAY-GSM-SW-INTCP-SC	StingRay -- GSM Intercept Software Package with S/C (Restricted Sales only Federal Customer)	\$ 50,000	\$ 25,000
UMTS-B1-CONV	StingRay 2100/1900MHz Down Converter	\$ 16,000	\$ 15,200
UMTS-B4-CONV	StingRay 2100/1700MHz Down Converter	\$ 16,000	\$ 15,200
AIRBRN-KIT-CONUS	Airborne DF Kit CONUS	\$ 9,000	\$ 8,550
StingRay II		PRICE	
MODEL NUMBER	DESCRIPTION	1 to 15 Units	16+ Units
STINGRAY II	StingRay II – 4-CH Multi-Xmit Interrogation and Direction Finding Transportable Unit.	\$ 148,000	\$ 140,600
STINGRAY II-UP	StingRay II – StingRay to StingRay II Upgrade	\$ 65,000	\$ 61,800
SRAY II-GSM-SW	StingRay – GSM Software Package	\$ 22,000	\$ 20,900
SRAY II-CDMA-SW	StingRay – CDMA Software Package	\$ 22,000	\$ 20,900
SRAY II-IDEN-SW	StingRay – iDEN Software Package	\$ 22,000	\$ 20,900
SRAY II-GSM-SW-INTCP	StingRay -- GSM Intercept Software Package	\$ 27,400	\$ 26,000
SRAY II-GSM-SW-INTCP-SC	StingRay -- GSM Intercept Software Package with S/C (Restricted Sales only Federal Customer)	\$ 50,000	\$ 25,000
SRAY II-UMTS-SW	StingRay – UMTS Software Package	N/C	N/C
StingRay Accessories		PRICE	
MODEL NUMBER	DESCRIPTION	1 to 15 Units	16+ Units
3092524-102	Cable Assembly PC/USB - 6' Cable	\$ 196	
3092524-103	Cable Assembly PC/USB - 12' Cable	\$ 220	
3092525-101	Cable DC Power	\$ 171	
RE1017HA	Carrying Case	\$ 925	
17250	115V Power Cord	\$ 8	
2009523-101	Laptop PC Controller (Dell Latitude D630)	\$ 3,500	
2009525-101	Panasonic Toughbook Computer	\$ 6,500	
DE2035-803	Adapter, DC (Laptop) (non- Charging)	\$ 226	
2009523-003	Mouse, CMPTR (Micro Trac)	\$ 50	
2009523-002	Auto Power Adapter (8500 & D600)	\$ 128	
OSMM-SA-20	Mobile Mast 20'	\$ 2,990	
PE3665-144	12' Extension Cable (TNC to N)	\$ 80	
PE3414-144	12' Extension Cable (TNC to TNC)	\$ 85	
PE9131	N-F to TNC-F Adapter	\$ 48	
PE9099	TNC-F to TNC-F Adapter	\$ 28	
PE9090	N-M to TNC-F Adapter	\$ 30	
PE9089	N-F to TNC-M Adapter	\$ 28	



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<i>StingRay Accessories continued...</i>		PRICE
Y2287A-66	Directional Antenna, Yagi (GSM) Pole Mount	\$ 100
FPPA-400	Field Portable Power Adapter (Military Vehicles)	\$ 2,900
FPPS-375	Field Portable Power Source (Battery Pack)	\$ 1,700
FPACPS	Field Portable AC Power Source	\$ 900
3092527-201	SDR Radio Slice	\$ 15,000
3092577-101	DC-DC Power Supply Module (SR & KP)	\$ 1,400
WSA-00045	Duplex Filter (AMPS/PCS) Stand Alone	\$ 1,970
WSA-00100	Duplex Filter (EGSM/DCS) Stand Alone	\$ 2,310
3174173-101	Quad Band Mag Mount Antenex Antenna (TNC)	\$ 125



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KingFish			
<u>MODEL NUMBER</u>	<u>DESCRIPTION</u>	<u>PRICE</u>	
		<u>1 to 15 Units</u>	<u>16+ Units</u>
KINGFISH	KingFish - Man Portable Interrogation and Direction Finding Unit for the CDMA waveform	\$ 27,800	\$ 26,400
KF-GSM-SW	KingFish - GSM Software Package	\$ 18,100	\$ 17,200
KF-CDMA-SW	KingFish - CDMA Software Package	\$ 18,100	\$ 17,200
KF-IDEN-SW	KingFish - iDEN Software Package	\$ 18,100	\$ 17,200
KF-UMTS-SW	KingFish - UMTS Software Package	N/C	N/C
<u>KingFish Accessories</u>		<u>PRICE</u>	
3100242-101	Tote Bag Assembly	\$ 570	
RE0513HA	Carrying Case, KingFish	\$ 950	
3092524-102	Cable Assembly, W102 (PC USB Type A) 6' cable	\$ 190	
3092525-101	Cable DC Power	\$ 171	
2014068-101	Battery Pack (11.1V)	\$ 256	
2014068-102	Lithium-Ion Battery Charger	\$ 426	
VA2524	Battery, Adapter, Lighter (24V, 1.5A)	\$ 140	
ACHA-12501	Power Supply (12V, 5A)	\$ 190	
3118694-201	Quad Band Yagi (Wedge) including 6ft cable (PE 3076-72)	\$ 1,300	
PE3076-72	Cable Assembly, RF (SMA-M to RTANGM-M) 6'	\$ 104	
PE3076-144	Cable Assembly, RF (SMA-M to RTANGM-M) 12'	\$ 108	
2014620-001	Antenna Device, Wave, PCS/Cell (Green)	\$ 22	
2014628-001	Antenna, 4 Wave (2.4 GHz) (Bluetooth)	\$ 18	
2014629-002	Antenna Device, Wave, GSM (Orange)	\$ 22	
3100242-103	Backpack Carrying Case Custom (Blue)	\$ 660	
3100242-104	Backpack Carrying Case Custom (Army Digi-Camo)	\$ 660	
3174173-102	Quad Band Mag Mount Antenex Antenna (SMA)	\$ 125	



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PC Controller		
MODEL NUMBER	DESCRIPTION	PRICE
2009523-101	Laptop PC Controller (Dell Latitude D630)	\$ 3,500
2015651-101	Mini PC Controller (OQO)	\$ 3,200
2014069-101	Rugged Mini PC Controller (GD Go Book)	\$ 4,900
3084625-101	Laptop Computer, Lightweight, Low Power, 12" Screen	\$ 3,000
2009525-101	Panasonic Toughbook Computer	\$ 6,500
PC Controller Accessories		PRICE
3058870-101	Serial Cable	\$ 40
2009523-003	Mouse, CMPTR (Micro Trac)	\$ 50
2009523-002	Auto Power Adapter (8500 & D600)	\$ 128

High Powered Filtered 30W PA Kit		
MODEL NUMBER	DESCRIPTION	PRICE
		1 to 15 Units 16+ Units
PA-KIT-30W iDEN 800	High Powered Filtered 30W PA Kit - Single Band iDEN 800	\$ 14,000 \$ 13,300
PA-KIT-30W 2100	High Powered Filtered 30W PA Kit - Single Band UMTS 2100	\$ 16,000 \$ 15,200
PA-KIT-30W Dual-Band CONUS	High Powered Filtered 30W PA Kit - Dual Band 850/1900	\$ 17,500 \$ 16,600
PA-KIT-30W Dual-Band OCONUS	High Powered Filtered 30W PA Kit - Dual Band 900/1800	\$ 17,500 \$ 16,600
3184472-101	Harpoon Diplexer Kit (Use w/SR I)	\$ 650 \$ 650

Need Mag Mount Antenna Specified

UMTS Band Converters		
MODEL NUMBER	DESCRIPTION	PRICE
		1 to 15 Units 16+ Units
CONVA-2100/1700	UMTS Band IV - AWS Converter	\$ 16,000 \$ 15,200
CONV-2100/1900	UMTS Band I Converter	\$ 16,000 \$ 15,200

EXHIBIT 12
of Complaint

UNITED STATES DISTRICT COURT
DISTRICT OF ARIZONA

Daniel David Rigmaiden,
Plaintiff,

v.

(1) Federal Bureau of Investigation, (2) Executive
Office for United States Attorneys, (3) Office of
Information Policy, and (4) Department of Justice,

Defendants.

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4. Restricted Delivery? (Extra Fee)

☒ Yes

EXHIBIT 13
of Complaint

UNITED STATES DISTRICT COURT
DISTRICT OF ARIZONA

Daniel David Rigmaiden,
Plaintiff,

v.

(1) Federal Bureau of Investigation, (2) Executive
Office for United States Attorneys, (3) Office of
Information Policy, and (4) Department of Justice,

Defendants.

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